Textbook: Single Variable Calculus, 7th Edition. James Stewart.

|  |  |
| --- | --- |
| 5.4 Work | # 2, 3, 9 |
| 5.5 Average Value | # 1, 2, 7, 10, 19 |
| 7.1 Integration by parts | # 5,11, 15, 17, 21, 27, 29,35,37,41, 53, 63 |
| 7.2 Trigonometric integrals | # 1, 7, 15, 21, 23, 27, 29, 31, 39, 47, 49, 50 |
| 7.3 Trigonometric substitution | # 3, 5,9, 11, 13, 19, 21, 23, 27, 29, 37 |
| 7.4 Rational integrals | # 1,4,7,11,15,19,21,23,33,39,41,46,47,51 |
| 7.5 Strategy for integration | # 8, 19, 21, 49, 77, 83 |
| 7.8 Improper Integrals | # 1,7,11,21,23,37,49,53 |
| 6.5 Exponential growth and decay | # 3, 9 |
| 6.6 Inverse trigonometric functions | # 1, 7, 8, 23, 29, 38, 61, 67, 69 |
| 6.8 l’Hospital’s rule | # 7, 11, 19, 51, 59, 65 |
| 11.1 Sequences | # 1,9,12,15,18,23,31,37,47,49,53,77,82 |
| 11.2 Series | # 1,15,19,29,31,33,41,43,44,53,61,67,(79) |
| 11.3 The integral test | # 3,7,15,19,23,29 |
| 11.4 The comparison tests | # 3,5,9,19,29,31,39,43 |
| 11.5 Alternating series | # 2,7,11,17,19 |
| 11.6 Abs. conv. And ratio/root tests | # 3,7,11,15,17,21,29,31,45 |
| 11.7 Strategy for testing series | # 3,7,13,23,25,36 |
| 11.8 Power Series | # 9,13,15,25,27,29,31,41 |
| 11.9 Some Functions Represented as power Series | # 7,11,17,19,25,39 |
| 11.10 Taylor series | # 3,4,9,17,31,33,37,49,57,67,69 |
| 9.3 Separable equations | # 1,5,9,11,13,22 |
| 8.1 Arc length | #9, 13, 15, 17, 35 |
| 10.1 Parametric curves | # 11,15,37 |
| 10.2 Calculus with parametric curves | # 41,43 |
| 10.3 Polar coordinates | # 3,5,25,31,39,45,54 |
| 10.4 Areas in polar coord. | # 5,7, 9,17,21,27,31 |
| A53 Complex numbers | # 9,11,15,25,29,33,39,45,50 |
|  |  |
|  |  |
|  |  |